

KING SAUD UNIVERSITY
College of Dentistry
Department of Preventive Dental Sciences
DIVISION OF ORTHODONTICS

PDS 432
Clinical Orthodontics
Academic Year 1428-1429H [2007-2008G]

Course Director : **DR. HUDA AL-KAWARI**
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COURSE DESCRIPTION

Course Name : Clinical Orthodontics
Course Number : 432 PDS
Credit Hours : One (1) Credit Hour
Pre-requisite Course : 431 PDS (Introduction to Orthodontics)

The course is given over a period of 15 weeks divided into seminar and clinical orthodontics. In the seminar, three or four students will search extensively for selected orthodontic topic and will submit a report and give presentation on it followed by a group discussion on the topic with contribution of all students. The clinical session will cover 6 clinical orthodontic cases. The student will be divided into three groups and they will participate in problem-based session to analyze the presented cases.

The course has the following objectives:

1. To increase the knowledge of the students in theoretical background of the selected orthodontic topics.
2. To familiarize the students with the appropriate procedure of orthodontic diagnosis and treatment planning.
3. To expose the students to the orthodontic management of malocclusions.

At the end of the course the students should be able to recognize and classify the different types of malocclusions and define the cases suitable for treatment.

EVALUATION

The student will be evaluated by their performance during the course. The total grade is 100% and distributed as follows:

Continuous Assessment (60 marks)				Final	TOTAL
Evaluation	Report	Cases	Midterm		
15	5	10	30	40	100

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SEMINAR & CLINICAL SCHEDULE

WEEK	DATE	SEMINAR	CLINICAL
1	12 September	Introduction	Introduction
2	19 September		Clinical Cases (1 & 2) Group A (Dr. Kawari) Group B (Dr. Balbeesi) Group C (Dr. Baidas)
3	26 September	CPR	CPR
4	3 October		Clinical Cases (1 & 2) Group A (Dr. Kawari) Group B (Dr. Balbeesi) Group C (Dr. Baidas)
4 – 19 October		RAMADAN HOLIDAY	
5	24 October	The Timing of Early Treatment: An Overview (Student 1, 2 & 3)	
		Orthodontic Diagnosis and Treatment Planning in the Primary Dentition (Student 4, 5, 6 & 7)	
6	31 October	The Benefit of Early Orthodontic Treatment (Student 8, 9, & 10)	
		Management of Space Problems in the Primary and Mixed Dentition (Student 11, 12, 13 & 14)	
7	7 November		Clinical Cases (3 & 4) Group A (Dr. Baidas) Group B (Dr. Kawari) Group C (Dr. Balbeesi)
8	14 November		Clinical Cases (3 & 4) Group A (Dr. Baidas) Group B (Dr. Kawari) Group C (Dr. Balbeesi)
9	21 November	MIDTERM EXAMINATION	
10	28 November	Orthodontic Diagnosis in Young Children: Beyond Dental Malocclusion (Student 15, 16 & 17)	

		Orthodontic Diagnosis and Treatment Planning (Student 18, 19, 20 & 21)	
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11	5 December	Managing the Developing Class III Malocclusion with Palatal Expansion and Face Mask Therapy (Student 22, 23 & 24)	
		Treatment of Class III Problems Begins with Differential Diagnosis of Anterior Crossbites (Student 25, 26, 27 & 28)	
12	12 December		Clinical Cases (5 & 6) Group A (Dr. Balbeesi) Group B (Dr. Baidas) Group C (Dr. Kawari)
13	2 January '08		Clinical Cases (5 & 6) Group A (Dr. Balbeesi) Group B (Dr. Baidas) Group C (Dr. Kawari)
14	9 January	Clinical Management of Impacted Canine (Student 29, 30 & 31)	
		Special Consideration in Treatment of Adults (Student 32, 33, 34 & 35)	
15	16 January	Orthodontic Treatment for the Cleft Palate Patient (Student 36, 37 & 38)	
		Assessment of Patients for Orthodontic Surgery (Student 39, 40, 41 & 42)	
16	23 January	FINAL ASSESSMENT EXAMINATION	

REFERENCES:

Reference Books:

1. An Introduction to Orthodontics
Mitchell L.
Oxford University Press 1996
2. Contemporary Orthodontics
Proffit W.
Mosby, Inc. 2000

Reference Articles (Provided to the Students):

1. The Timing of Early Treatment: An Overview. Proffit WR. American Journal of Orthodontics and Dentofacial Orthopedics, 129(4 Supplement 1): S47-S49, 2006.
2. Orthodontic Diagnosis and Treatment Planning in the Primary Dentition. Ngan P, Fields H. ASDC Journal of Dentistry for Children, 62(1): 25-33, 1995.
3. The Benefits of Early Orthodontic Treatment. Rondeau B. General Dentistry. 51(2): 114-119, 2003.
4. Management of Space Problems in the Primary and Mixed Dentition. Ngan P, Alkire RG, Fields H. Journal of American Dental Association, 130(9): 1330-1339, 1999.
5. Orthodontic Diagnosis in Young Children: Beyond Dental Malocclusion. Jefferson Y. General Dentistry: 51(2): 104-111, 2003.
6. Orthodontic Diagnosis and Treatment Planning. Bishara SE. Textbook of Orthodontics. 1st edition Philadelphia: Saunders; 98-112, 2001.
7. Managing the Developing Class III Malocclusion with Palatal Expansion and Facemask Therapy. Turley P. American Journal of Orthodontics and Dentofacial Orthopedics, 122(4): 349-352, 2002.
8. Treatment of Class III Problem begins with Differential Diagnosis of Anterior Crossbite. Ngan P, Fields H. American Academy of Pediatric Dentistry no. 19. 6 pages 386-395, 1997.
9. Clinical Management of Impacted Maxillary Canines. Bishara SE. Seminar in Orthodontics. 4(2): 87-98, 1998.
10. Special Consideration in Treatment of Adults. Proffit WR. Contemporary Orthodontics, 6(3): 183-194, 2000.
11. Orthodontic Treatment for the Cleft Palate Patient. Vlachos CC. Seminars in Orthodontics, 2(3): 197-204, 1996.
12. Assessment of Patients for Orthognathic Surgery. Bailey LJ, Proffit WR, White R Jr. Seminars in Orthodontics, 5(4): 209-222, 1999.

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EVALUATION SHEET FOR ORTHODONTIC SEMINAR

Topic :

Date :

Name of Students :

Introduction/conclusion to the subject	:	(2)	_____	_____	_____
Organization and fluency of information given	:	(4)	_____	_____	_____
Sufficient information	:	(4)	_____	_____	_____
Illustrative diagrams and photographs	:	(2)	_____	_____	_____
Extra information taken from articles and books	:	(3)	_____	_____	_____
TOTAL	:	(15)	_____	_____	_____

Note: The evaluation should be according to the performance of the student. Two instructors should evaluate each student and the average mark is recorded.